

— (a) The label letters shall be in block letters of no less than 20-point type, at least 1/16 inch stroke (width of type), and of a color that contrasts with the label background color.

— (b) The label shall be affixed to the front upper half of the vertical surface of the gasoline pump on each side with gallonage and dollar amount meters from which gasoline can be dispensed and shall be clearly readable to the pump user.

— (c) Information on the label shall include:

— (i) a general explanation of how the Stage II vapor recovery system works and how it should be operated;

— (ii) notice that the user should not attempt to overfill the motor vehicle gas tank;

— (iii) notice that the purpose of Stage II vapor recovery systems is to minimize gasoline emissions from motor vehicle refueling; and

— (iv) the name and telephone number of the Division of Air Quality.

R307-332-10. Self-Inspections.

— (1) The owner or operator of an installation shall ensure that the following tests and inspections are performed as specified:

— (a) After notification as specified in R307-332-11, one of the tests specified in R307-332-5(3)(a) or another test or tests approved by the executive secretary and EPA, shall be conducted for every Stage II vapor recovery system at each installation every third year after the initial test required by R307-332-5(3)(a) or at any installation that the executive secretary has any indication that leaks may exist.

— (b) After notification as specified in R307-332-11, the test specified in R307-332-5(3)(b), the AQB Dynamic Back Pressure Test, or another test or tests approved by the executive secretary and EPA, shall be conducted for every Stage II vapor recovery system at each installation every fourth year after the initial test required by R307-332-5(3)(b) or at any installation that the executive secretary has any indication that a blockage may exist.

— (c) After notification as specified in R307-332-11, a functional test shall be conducted every year on any and all auto shut-off mechanisms and flow prohibiting mechanisms on all dispensing nozzles to determine if the mechanisms are functional.

— (d) Visual inspections shall be conducted at a frequency sufficient to ensure:

— (i) that all the Stage II vapor recovery equipment is present, is maintained in the certified configuration, and is in proper working order, including, but not limited to: nozzles and nozzle parts (facecone, bellows, springs, latches, check valves), hoses and hose hanger/retractors, flow limiters, swivels, collection units, control panels, system pumps, processing units, vent pipes and any and all other system related parts;

— (ii) compliance with all Stage II vapor recovery system label requirements as specified in R307-332-9; and

— (iii) that all Stage II vapor recovery system equipment is being operated properly, including dispensing units, processors, handling units, and any other system related equipment.

— (2) Stage II vapor recovery systems or portions of Stage II vapor recovery systems found to be malfunctioning shall be taken out of service until repaired.

R307-332-11. Test Notification Requirements.

— (1) The owner or operator of an installation shall notify the executive secretary in writing at least thirty days before conducting a test to comply with R307-332-5(3) or (4), or R307-332-10(1)(a), (b) or (c).

— (2) The notification required in (1) above shall include:

— (a) the name, address, and phone number of the installation;

— (b) the name of the test;

— (c) the name and telephone number of the person that will conduct the test; and

— (d) the time and date on which the test shall be conducted.

— (3) If the results of a test listed in (1) above do not show compliance with standards specified in the appropriate test specification, the owner or operator of an installation shall notify the executive secretary by five P.M. on the first working day after the test. Notification shall include the name, address, and phone number of the installation and the name of the test.

KEY: air pollution, motor vehicles, gasoline, ozone

Date of Enactment or Last Substantive Amendment: September 15, 1998

Notice of Continuation: August 5, 2003

Authorizing, and Implemented or Interpreted Law: 19-2-101; 19-2-104]

Environmental Quality, Air Quality R307-335

Davis and Salt Lake Counties and Ozone Nonattainment Areas: Degreasing and Solvent Cleaning Operations

NOTICE OF PROPOSED RULE

(Amendment)

DAR FILE NO.: 29008

FILED: 09/07/2006, 16:07

RULE ANALYSIS

PURPOSE OF THE RULE OR REASON FOR THE CHANGE: The purpose of this amendment is to clarify the rule by deleting obsolete language, adding language to align the rule with the new ozone maintenance plan, and making other minor grammatical corrections. This amendment is part of revisions to rules related to the ozone maintenance plan (see separate filings on Sections R307-101-2 and R307-110-13; and Rules R307-320, R307-325, R307-326, R307-327, R307-328, R307-332, R307-340, R307-341, R307-342, and R307-343 in this issue.) (DAR NOTE: The other filings are under: Sections R307-101-2 (DAR No. 29000) and R307-110-13 (DAR No. 29001); and Rules R307-320 (DAR No. 29002); R307-325 (DAR No. 29003); R307-326 (DAR No. 29006); R307-327 (DAR No. 29004); R307-328 (DAR No. 29005); R307-332 (DAR No. 29007); R307-340 (DAR No. 29009); R307-341 (DAR No. 29010); R307-342 (DAR No. 29011); and R307-343 (DAR No. 29012) in this issue.)

SUMMARY OF THE RULE OR CHANGE: References to Salt Lake and Davis Counties were replaced by the term "ozone maintenance area". Other grammatical corrections were made throughout Rule R307-335 to improve the readability of the rule. Obsolete language was deleted throughout Rule R307-335. In addition, the applicability, testing, and

compliance provisions that were located in Section R307-325-1 were moved into Rule R307-335. This amendment is part of revisions to rules related to the ozone maintenance plan (see DAR NOTE above).

STATE STATUTORY OR CONSTITUTIONAL AUTHORIZATION FOR THIS RULE: Subsection 19-2-104(1)(a)

ANTICIPATED COST OR SAVINGS TO:

- ❖ THE STATE BUDGET: Because these revisions do not create any new requirements, no change in costs is expected to the state budget.
- ❖ LOCAL GOVERNMENTS: Because these revisions do not create any new requirements, no change in costs is expected for local governments.
- ❖ OTHER PERSONS: Because these revisions do not create any new requirements, no change in costs is expected for other persons.

COMPLIANCE COSTS FOR AFFECTED PERSONS: Because these revisions do not create any new requirements, no change in costs is expected for affected persons.

COMMENTS BY THE DEPARTMENT HEAD ON THE FISCAL IMPACT THE RULE MAY HAVE ON BUSINESSES: Because these revisions do not create new requirements, no change to costs is expected for businesses. Dianne R. Nielson, Executive Director

THE FULL TEXT OF THIS RULE MAY BE INSPECTED, DURING REGULAR BUSINESS HOURS, AT:

ENVIRONMENTAL QUALITY
AIR QUALITY
150 N 1950 W
SALT LAKE CITY UT 84116-3085, or
at the Division of Administrative Rules.

DIRECT QUESTIONS REGARDING THIS RULE TO:

Mat E. Carlile or Jan Miller at the above address, by phone at 801-536-4136 or 801-536-4042, by FAX at 801-536-0085 or 801-536-0085, or by Internet E-mail at MCARLILE@utah.gov or janmiller@utah.gov

INTERESTED PERSONS MAY PRESENT THEIR VIEWS ON THIS RULE BY SUBMITTING WRITTEN COMMENTS TO THE ADDRESS ABOVE NO LATER THAN 5:00 PM on 10/31/2006

INTERESTED PERSONS MAY ATTEND A PUBLIC HEARING REGARDING THIS RULE: 10/17/2006 at 2:00 PM, DEQ Building, 168 N 1950 W, Salt Lake City, UT.

THIS RULE MAY BECOME EFFECTIVE ON: 12/07/2006

AUTHORIZED BY: M. Cheryl Heying, Planning Branch Manager

R307. Environmental Quality, Air Quality.

R307-335. ~~[Davis and Salt Lake Counties and]Ozone Nonattainment and Maintenance Areas: Degreasing and Solvent Cleaning Operations.~~

R307-335-1. Purpose.

The purpose of this rule is to establish Reasonably Available Control Technology (RACT) for degreasing and solvent cleaning operations that are located in an ozone nonattainment or maintenance area. The rule is based on federal control technique guidance documents.

R307-335-2. Applicability.

R307-335 applies to all degreasing or solvent cleaning operations that use volatile organic compounds (VOCs) and are located in any ozone nonattainment or maintenance area.

R307-335-[1]3. ~~[Applicability and]Definitions.~~

~~[(1) The provisions of this section are applicable to the use of all volatile organic compounds.~~

~~—(2) R307-325 establishes applicability and general requirements for R307-335.~~

~~—(3)]The following additional definitions apply to R307-335:~~

"Batch Open Top Vapor Degreasing" means the batch process of cleaning and removing grease and soils from metal surfaces by condensing hot solvent vapor on the colder metal parts.

"Cold Cleaning" means the batch process of cleaning and removing soils from metal surfaces by spraying, brushing, flushing or immersing while maintaining the solvent below its boiling point.

"Conveyorized Degreasing" means the continuous process of cleaning and removing greases and soils from metal surfaces by using either cold or vaporized solvents.

"Freeboard Ratio" means the freeboard height divided by the width of the degreaser.

"Open Top Vapor Degreaser" means the batch process of cleaning and removing soils from metal surfaces by condensing low solvent vapor on the colder metal parts.

"Separation Operation" means any process that separates a mixture of compounds and solvents into two or more components. Specific mechanisms include extraction, centrifugation, filtration, and crystallization.

"Solvent Metal Cleaning" means the process of cleaning soils from metal surfaces by cold cleaning, open top vapor degreasers, or conveyorized degreasing.

R307-335-[2]4. Cold Cleaning Facilities.

No owner or operator shall operate a degreasing or solvent cleaning operation unless ~~[the]conditions [contained in-](1) through (7)~~ below are met.

(1) A cover shall be installed which shall remain closed except during actual loading, unloading or handling of parts in cleaner. The cover shall be designed so that it can be easily operated with one hand if:

- (a) the volatility of the solvent is greater than 2 kPa (15 mm Hg or 0.3 psi) measured at 38 degrees C (100 degrees F),
- (b) the solvent is agitated, or
- (c) the solvent is heated.

(2) An internal draining rack for cleaned parts shall be installed on which parts shall be drained until all dripping ceases. If the volatility of the solvent is greater than 4.3 kPa (32 mm Hg at 38 degrees C (100 degrees F)), the drainage facility must be internal, so that parts are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Waste or used solvent shall be stored in covered containers. Waste solvents or waste materials which contain solvents shall be disposed of by recycling, reclaiming, by incineration in an incinerator approved to process hazardous materials, or by an alternate means approved by the executive secretary.

(4) Tanks, containers and all associated equipment shall be maintained in good operating condition and leaks shall be repaired immediately or the degreaser shall be shutdown.

(5) Written procedures for the operation and maintenance of the degreasing or solvent cleaning equipment shall be permanently posted in an accessible and conspicuous location near the equipment.

(6) If the solvent volatility is greater than 4.3 kPa (33 mm Hg or 0.6 psi) measured at 38 degrees C (100 degrees F), or if solvent is heated above 50 degrees C (120 degrees F), then one of the following control devices shall be used:

- (a) freeboard that gives a freeboard ratio greater than 0.7;
- (b) water cover if the solvent is insoluble in and heavier than water;
- (c) other systems of equivalent control, such as a refrigerated chiller or carbon adsorption.

(7) If used, the solvent spray shall be a solid fluid stream at a pressure ~~which~~ that does not cause excessive splashing and may not be a fine, atomized or shower type spray.

R307-335-[3]5. Open Top Vapor Degreasers.

Owners or operators of open top vapor degreasers shall, in addition to meeting the requirements of R307-335-[2]4(3), (4) and (5),

(1) Equip the vapor degreaser with a cover that can be opened and closed without disturbing the vapor zone. The cover shall be closed except when processing work loads through the degreaser;

(2) Install one of the following control devices:

- (a) Equipment necessary to sustain:
 - (i) a freeboard ratio greater than or equal to 0.75, and
 - (ii) a powered cover if the degreaser opening is greater than 1 square meter (10 square feet),
- (b) Refrigerated chiller,
- (c) Enclosed design (cover or door opens only when the dry part is actually entering or exiting the degreaser),

(d) Carbon adsorption system, with ventilation greater than or equal to 15 cubic meters per minute per square meter (50 cubic feet per minute per square foot) of air/vapor area when cover is open and exhausting less than 25 parts per million of solvent averaged over one complete adsorption cycle;

(3) Minimize solvent carryout by:

- (a) Racking parts to allow complete drainage,
- (b) Moving parts in and out of the degreaser at less than 3.3 meters per minute (11 feet per minute),
- (c) Holding the parts in the vapor zone at least 30 seconds or until condensation ceases,
- (d) Tipping out any pool of solvent on the cleaned parts before removal, and
- (e) Allowing the parts to dry within the degreaser for at least 15 seconds or until visibly dry.

(4) Spray parts only in or below the vapor level,

(5) Not use ventilation fans near the degreaser opening, nor provide exhaust ventilation exceeding 20 cubic meters per minute per square meter (65 cubic feet per minute per square foot) in degreaser open area, unless necessary to meet State and Federal occupational, health, and safety requirements. The exhaust ventilation flow indicated above shall be measured using EPA Reference Methods 1 and 2 of 40 CFR Part 60, or by EPA-approved equivalent state methods;

(6) Not degrease porous or absorbent materials, such as cloth, leather, wood or rope;

(7) Not allow work loads to occupy more than half of the degreaser's open top area;

(8) Ensure that solvent is not visually detectable in water exiting the water separator;

(9) Install safety switches on the following:

(a) Condenser flow switch and thermostat (shuts off sump heat if condenser coolant is either not circulating or too warm); and

(b) Spray switch (shuts off spray pump if the vapor level drops excessively, i.e., greater than 10 cm (4 inches); and

(10) Ensure that the control device specified by (2)(b) or (d) above meet the applicable requirements of R307-340-[2]4 and [13]15.

Open top vapor degreasers with an open area smaller than one square meter (10.9 square feet) are exempt from (2)(b) and (d) above.

R307-335-[4]6. Conveyorized Degreasers.

Owners and operators of conveyorized degreasers shall, in addition to meeting the requirements of R307-335-[2]4(3), (4) and (5) and R307-335-[3]5(5):

(1) Install one of the following control devices for conveyorized degreasers with an air/vapor interface equal to or greater than 2.0 square meters (21.6 square feet):

(a) Refrigerated chiller or

(b) Carbon adsorption system, with ventilation greater than or equal to 15 cubic meters per minute per square meter (50 cubic feet per minute per square foot) of air/vapor area when downtime covers are open, and exhausting less than 25 parts per million of solvent, by volume, averaged over a complete adsorption cycle.

(2) Equip the cleaner with equipment, such as a drying tunnel or rotating (tumbling) basket, sufficient to prevent cleaned parts from carrying out solvent liquid or vapor.

(3) Provide downtime covers for closing off the entrance and exit during shutdown hours. Ensure that down-time cover is placed over entrances and exits of conveyorized degreasers immediately after the conveyor and exhaust are shutdown and is removed just before they are started up.

(4) Minimize carryout emissions by racking parts for best drainage and maintaining the vertical conveyor speed at less than 3.3 meters per minute (11 feet per minute).

(5) Ensure that the control device specified by (1)(a) or (b) above meet the applicable requirements of R307-340-[2]4 and [13]15.

(6) Minimize openings: Entrances and exits should silhouette work loads so that the average clearance (between parts and the edge of the degreaser opening) is either less than 10 cm (4 inches) or less than 10% of the width of the opening.

(7) Install safety switches on the following:

(a) Condenser flow switch and thermostat - shuts off sump heat if coolant is either not circulating or too warm;

(b) Spray switch - shuts off spray pump or conveyor if the vapor level drops excessively, i.e., greater than 10 cm or (4 inches); and

(c) Vapor level control thermostat - to shuts off sump level if vapor level rises too high.

(8) Ensure that solvent is not visibly detectable in the water exiting the water separator.

R307-335-7. Alternate Methods of Control.

(1) Any person may apply to the executive secretary for approval of an alternate test method, an alternate method of control, an alternate compliance period, an alternate emission limit, or an alternate monitoring schedule. The application must include a demonstration that the proposed alternate produces an equal or greater air quality benefit than that required by R307-335, or that the alternate test method is equivalent to that required by these rules. The executive secretary shall obtain concurrence from EPA when approving an alternate test method, an alternate method of control, an alternate compliance period, an alternate emission limit, or an alternate monitoring schedule.

(2) Manufacturer's operational specifications, records, and testings of any control system shall use the applicable EPA Reference Methods of 40 CFR Part 60, the most recent EPA test methods, or EPA-approved state methods, to determine the efficiency of the control device. In addition, the owner or operator must meet the applicable requirements of record keeping for any control device. A record of all tests, monitoring, and inspections required by R307-335 shall be maintained by the owner or operator for a minimum of 2 years and shall be made available to the executive secretary or the executive secretary's representative upon request. Any malfunctioning control device shall be repaired within 15 calendar days after it is found by the owner or operator to be malfunctioning, unless otherwise approved by the executive secretary.

(3) For purposes of determining compliance with emission limits, VOCs and nitrogen oxides will be measured by the test methods identified in federal regulation or approved by the executive secretary. Where such a method also inadvertently measures compounds with negligible photochemical reactivity, an owner or operator may exclude these negligibly reactive compounds when determining compliance with an emissions standard.

R307-335-8. Compliance Schedule.

All sources within any newly designated nonattainment area for ozone shall be in compliance with this rule within 180 days of the effective date of designation to nonattainment.

KEY: air pollution, degreasing[*], solvent cleaning[*], ozone
Date of Enactment or Last Substantive Amendment: [September 15, 1998]2006

Notice of Continuation: August 5, 2003

Authorizing, and Implemented or Interpreted Law: [19-2-104; 19-2-104(1)(a)]

Environmental Quality, Air Quality
R307-340
Davis and Salt Lake Counties and
Ozone Nonattainment Areas: Surface
Coating Processes

NOTICE OF PROPOSED RULE

(Amendment)

DAR FILE No.: 29009

FILED: 09/07/2006, 16:07

RULE ANALYSIS

PURPOSE OF THE RULE OR REASON FOR THE CHANGE: The purpose of this amendment is to clarify the rule by deleting obsolete language, adding language to align the rule with the new ozone maintenance plan, and making other minor grammatical corrections. This amendment is part of revisions to rules related to the ozone maintenance plan (see separate filings on Sections R307-101-2 and R307-110-13; and Rules R307-320, R307-325, R307-326, R307-327, R307-328, R307-332, R307-335, R307-341, R307-342, and R307-343 in this issue.) (DAR NOTE: The other filings are under: Sections R307-101-2 (DAR No. 29000) and R307-110-13 (DAR No. 29001); and Rules R307-320 (DAR No. 29002); R307-325 (DAR No. 29003); R307-326 (DAR No. 29006); R307-327 (DAR No. 29004); R307-328 (DAR No. 29005); R307-332 (DAR No. 29007); R307-335 (DAR No. 29008); R307-341 (DAR No. 29010); R307-342 (DAR No. 29011); and R307-343 (DAR No. 29012) in this issue.)

SUMMARY OF THE RULE OR CHANGE: References to Salt Lake and Davis Counties were replaced by the term "ozone maintenance area". Other grammatical corrections were made throughout Rule R307-340 to improve the readability of the rule. Obsolete language was deleted throughout Rule R307-340. In addition, the applicability, testing, and compliance provisions that were located in Section R307-325-1 were moved into Rule R307-340. This amendment is part of revisions to rules related to the ozone maintenance plan (see DAR NOTE above).

STATE STATUTORY OR CONSTITUTIONAL AUTHORIZATION FOR THIS RULE: Subsection 19-2-104(1)(a)

ANTICIPATED COST OR SAVINGS TO:

- ❖ **THE STATE BUDGET:** Because these revisions do not create any new requirements, no change in costs is expected to the state budget.
- ❖ **LOCAL GOVERNMENTS:** Because these revisions do not create any new requirements, no change in costs is expected for local governments.
- ❖ **OTHER PERSONS:** Because these revisions do not create any new requirements, no change in costs is expected for other persons.

COMPLIANCE COSTS FOR AFFECTED PERSONS: Because these revisions do not create any new requirements, no change in costs is expected for affected persons.

COMMENTS BY THE DEPARTMENT HEAD ON THE FISCAL IMPACT THE RULE MAY HAVE ON BUSINESSES: Because these revisions do not create new requirements, no change to costs is expected for businesses. Dianne R. Nielson, Executive Director